BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: BYATARAYANAPURA

***Name of Work**: Estimate for Improvements to Roads and Drains at Mariyannapalya in Ward No. 06, Baytarayanapura Sub Division.*

JOB CODE:

Estimated Cost: Rs. 15.00 Lakhs

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ವಿಷಯ: Improvements to Roads and Drains at Mariyannapalya in Ward No.06 Byatarayanapura Sub Divisionನೇ ಕಾಮಗಾರಿ ಅಂದಾಜನ್ನು ಅನುಮೋದನೆಗೆ ಸಲ್ಲಿಸುವ ಬಗ್ಗೆ.

Job Code:

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ಬ್ಯಾಟರಾಯನಪು ಉಪವಿಭಾಗ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಮರಿಯಣ್ಣಪಾಳ್ಯದ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗೆ 2013-14ನೇ ಸಾಲಿನ POW ಕಾರ್ಯಕ್ರಮದಡಿ ರೂ. 15.00 ಲಕ್ಷಗಳ ಅನುದಾನಕ್ಕೆ ಅನುಮೋದನೆಯಾಗಿರುತ್ತದೆ.

ಮರಿಯಣ್ಣಪಾಳ್ಯದ ರಸ್ತೆಗಳ ಹಾಲಿ ಶಿಥಿಲವಾಗಿ ಡಾಂಬರ್ ಕಚ್ಚಾ ರಸ್ತೆಗಳಿದ್ದು, ಚರಂಡಿಗಳಲ್ಲಿ ಸರಿಯಾಗಿಲ್ಲದ ಕಾರಣ ಮಳೆಯ ನೀರು ಸರಾಗವಾಗಿ ಹೊರ ಹರಿಯದೆ ತಗ್ಗು ಪ್ರದೇಶದಲ್ಲಿ ನಿಂತು ಜನ ಜೀವನಕ್ಕೆ ಅನಾನುಕೂಲವಾಗಿರುವುದರ ಜೋತೆಗೆ ಪರಿಸರ ಮಾಲೀನ್ಯ ವಾಗಿರುತ್ತದೆ.

ಸದರಿ ಪ್ರದೇಶದಲ್ಲಿ ರಸ್ತೆ ಅಭಿವೃದ್ಧಿ ಹಾಗೂ ಚರಿಂಡಿ ನಿರ್ಮಿಸಲು ಈ ಪ್ರದೇಶದ ಚುನಾಯಿತ ಪ್ರತಿನಿಧಿಗಳು ಹಾಗೂ ಗ್ರಾಮಸ್ಥರು ಕೋರಿರು ಮೇರೆಗೆ ಖುದ್ದಾಗಿ ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ ಈ ಕೆಳಕಂಡಂತೆ ಅಂದಾಜನ್ನು ತಯಾರಿಸಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

1. ಕೂಡು ರಸ್ತೆಯಲ್ಲಿನ ಶಿಥಿಲವಾಗಿರುವ ಚರಂಡಿಗಯನ್ನು ತೆಗೆದು ವಿನ್ಯಾಸಕ್ಕನುಗುಣವಾಗಿ ಪುನರ್ ನಿರ್ಮಿಸುವುದು.
2. ಶಿಥಿಲವಾಗಿರುವ ಡಾಂಬರ್ ಮೇಲ್ಮೈಯನ್ನು ತೆಗೆದು ಅವಶ್ಯಕ ವಾಟ್ಟಕ್ಕೆ ಮಾಟ್ಟಮಾಡುವುದು.
3. ರಸ್ತೆಯಲ್ಲಿನ ಸಂಚಾರ ದಟ್ಟಣೆಗೆ ಅನುಗುಣವಾಗಿ ಸಭ್‌ಬೇಸ್‌ನ್ನು ವೆಟ್‌ಮಿಕ್ಸ್‌ನಿಂದ ಉತ್ತಮ ಪಡಿಸುವುದು.
4. ರಸ್ತೆಯ ಮೇಲ್ಪದರಕ್ಕೆ 25ಎಂಎಂ ದಪ್ಪದ ಎಸ್.ಡಿ.ಬಿ.ಸಿಯನ್ನು ಅಳವಡಿಸುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಅಂದಾಜನ್ನು 2013-14ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿಯನ್ನು ಅನುಸರಿಸಿ ರೂ. 15.00 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಿದ್ದು, 2013-14ನೇ ಸಾಲಿನ POW ಕಾರ್ಯಕ್ರಮದಡಿಯಲ್ಲಿನ ಅನುದಾನದಲ್ಲಿ ಅನುಮೋದಿಸಿ ಅಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲು ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 06 (ಥಣಿಸಂದ್ರ)
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು – 24.

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains at Mariyannapalya in Ward No. 06, Baytarayanapura Sub Division.**

							Estimate Cost:		1500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	Desilting of Drains								
			2	98.00	0.45	0.30	26.46		
			2x3	110.00	0.45	0.30	89.10		
	Berm Cutting								
			2	98.00	1.00	0.20	39.20		
			2x3	110.00	1.00	0.20	132.00		
							286.76	90.72	**26015.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	Removing B.S. Slab Drain and stacking **(P. 28 / I. 5.32 PWD SR - 2013-14)**	Sqm							
			2	45.00		1.35	121.50		
			2	50.00		1.35	135.00		
			2	45.00		1.35	121.50		
			2	40.00		1.35	108.00		
							486.00	50.11	**24354.00**
	Basic Rate	46.40							
	Area Weightage @8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in CM (1:3) **(P. 28 / I. 5.33 PWD SR - 2013-14)**	Sqm							
			Vide Item No.2				**486.00**	70.04	**34038.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
4	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 175 / Item No. 21.3 / PWD SR 2013-14**	Sqm							
			1	98.00	5.00		490.00		
			3	110.00	5.00		1650.00		
							2140.00	72.79	**155775.00**

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	67.40							
	Area Weightage @ 8%	5.39							
	Total	**72.79**							
5	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P. 170 / I. 20.18) PWD SR - 2013-14.**	Cum							
			1	98.00	5.00	0.15	73.50		
			3	110.00	5.00	0.15	247.50		
							321.00		
	~~Add Extra for Road Cutting Portion @ 5%~~						~~16.05~~		
							337.05	1121.04	**377847.00**
	Basic Rate	1038.00					321.00		359853.84
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
6	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
			1	98.00	5.00		490.00		
			3	110.00	5.00		1650.00		
							2140.00	10.53	**22534.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
7	KSRRB 500-5: providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 175 / Item No. 21.5 / PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 6				2140.00		
							2140.00	142.07	**304038.00**
	Basic Rate	131.55							
	Area Weightage @ 8%	10.52							
	Total	**142.07**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specificationsWith 60/70 grade bitumen using 40-60 HMP, **No. 178 / Item No. 21.20.4 / PWD SR 2013-14.**	Cum							
			1	98.00	5.00	0.025	12.25		
			3	110.00	5.00	0.025	41.25		
							53.50	9981.36	**534003.00**
	Basic Rate	9242.00							
	Area Weightage @ 8%	739.36							
	Total	**9981.36**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum					Vide Item No. 1	286.76	72.71	20849.00
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Miscellaneous and other Charges	L/S							547.00
								Total	**1500000.00**

(Rs. Fifteen Lakhs Only)

Technical Sanction for Rs. 20.00 Lakhs
Twenty Lakhs only
P177
Registered as EE(BTP)97/13-14, Dt 29/10/13
Subject to conditions contained in enclosed memo No.
ADMINISTRATIVELY SANCTIONED FOR Rs. 20.00 Lakhs
Rupees Twenty Lakhs only
Under P177
Registered as EE( ) No.
Subject to conditions contained in enclosed memo No. EE(yel) 311/13-14
Dt 30/10/13
Estimate A/Janeetha No.
dated 30/10/13
Rs. 20.00 Lakhs

1.) third party chag. 15000=00

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 This work included under 2013-14 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

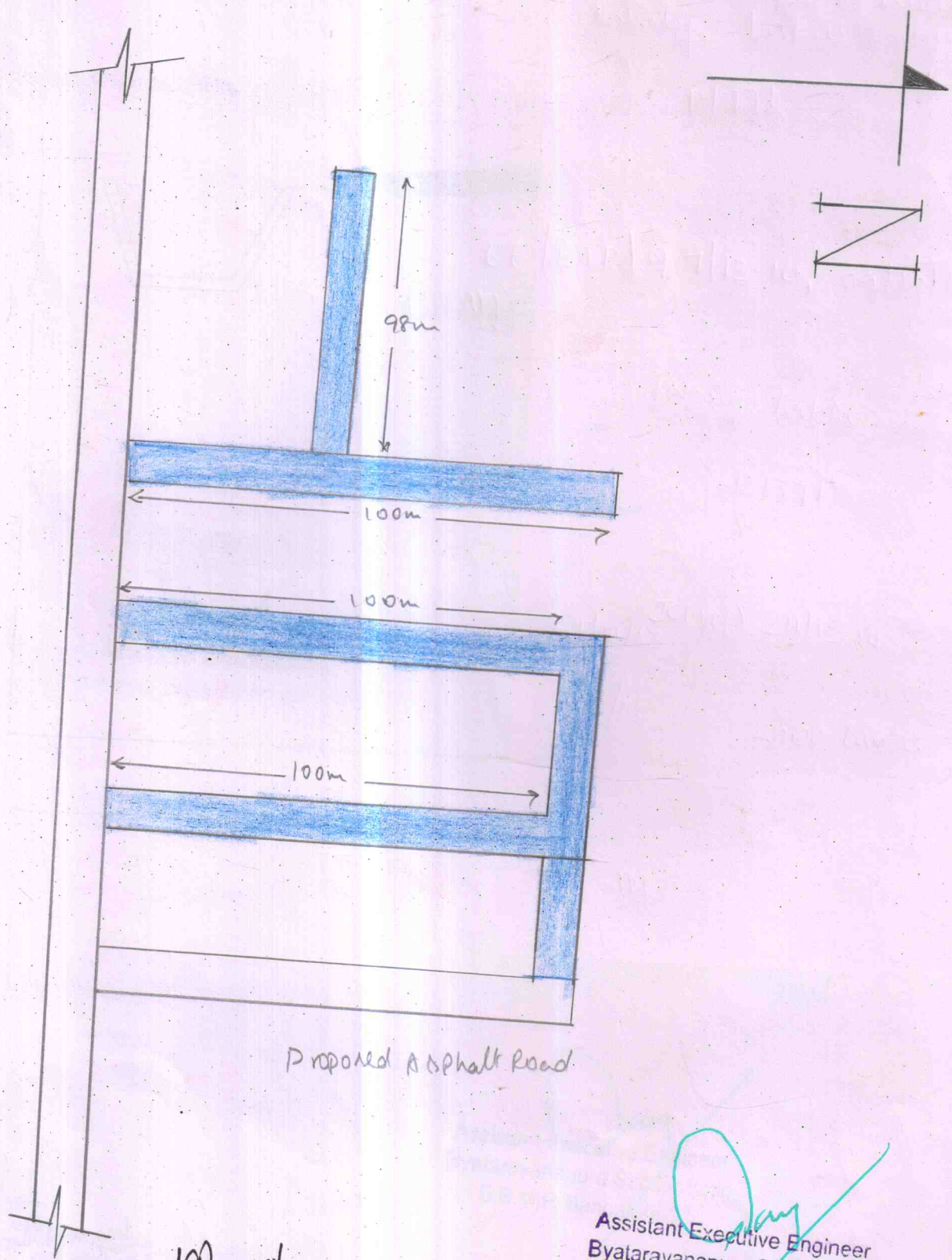
Joint Commissioner (Yelahanka Zone) BBMP, Bengaluru-92
30/10/13

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Improvements to Roads and Drains at Mariyannapalya in Ward No.06
Byatarayanapura Sub Division



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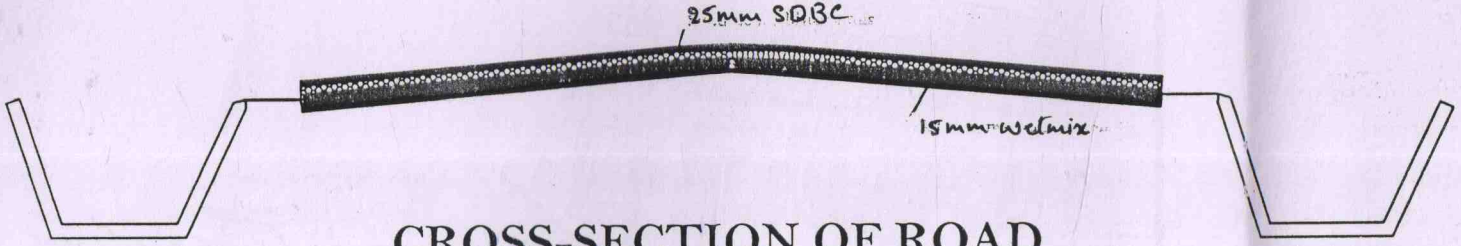
Assistant Executive Engineer
Byatarayanapura Sub D
B.B.M.P. Ban



CROSS-SECTION OF ROAD

INDEX

wet mix

SDBC

ASSISTANT ENGINEER

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

ASSISTANT EXECUTIVE ENGINEER
BYATARAYANAPURA SUB DIVISION.